

09.18 MAR 19. 179 DC/PMDBUT.PATENTS

Osdene - Disclosures

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**787 IT USE OF PHENOLIC GLYCOSIDES AS FLAVORANTS IN TOBACCO/9-21-77
CODE 3 II E. SANDERS

IC FLAVOR + RELEASE + SYNTHESIS
ID R&D/CHEMICAL RESEARCH DIVISION/OSDENE/JOHNSON
IA PHENOLIC GLYCOSIDES USEFUL AS FLAVORANTS IN SMOKING MATERIALS
IA ARE DISCLOSED, ON PYROLYSIS, THE PHENOL FLAVORANT IS RELEASE
IA TO FLAVOR THE SMOKE. ADVANTAGEOUS IN THAT THE COMPOUNDS ARE
IA ODORLESS AND REDUCE PACK AROMA.

IS D&S/SAH/9-19-78 DISCLOSURE TO DEPAUL & O'BRIEN FOR EVALUATION
IS 10-78 SEARCH RECEIVED FROM D&S/3-79 FURTHER DEVELOPMENT WORK
IS BEING DONE BY INVENTOR

**794 IT MICROWAVE/GAS CHROMATOGRAPHY/10-24-77

CODE 3 II D. WATSON

IC ELECTRICAL + MICROWAVE
ID R&D/ANALYTICAL DIVISION/OSDENE/WILL
IA MICROWAVE SPECTROSCOPY FOR SELECTIVE DETECTION OF COMPONENTS
IA ELUTING FROM A GAS CHROMATOGRAPH.
IS GMJS/RELATED TO 795/ 2-15-78 SEARCH COMPLETED--CLOSE ART
IS AWAITING FURTHER EVALUATION BY INVENTOR

**795 IT MICROWAVE/GAS CHROMATOGRAPHY/10-24-77

CODE 3 II D. WATSON

IC ELECTRICAL + MICROWAVE
ID R&D/ANALYTICAL DIVISION/OSDENE WILL
IA MICROWAVE ENERGY SOURCE SELECTIVELY VAPORIZED COMPONENTS FOR
IA FURTHER SEPARATION BY GC.
IS GMJS/RELATED TO PM 794/ 2-15-78 SEARCH COMPLETED--BEING STUDIED
IS BY INVENTOR/ CLOSE ART/ AWAITING FURTHER EVALUATION BY INVENTOR

**816 IT COPOLYMER POSSESSING WATER AND/OR ETHANOL SOLUBILITY FOR MAKING

IT SMOKING COMPOSITIONS/3-2-78

II W. JOHNSON, JR. AND H. GRUBBS

IC FLAVOR + RELEASE + POLYMER

ID R&D/CHEMICAL RESEARCH DIVISION/OSDENE/JOHNSON

IA MONOMERS OF FLAVOR-RELEASE POLYMERS ARE MIXED WITH MONOMERS
IA CONTAINING POLAR GROUPS AND COPOLYMERIZED TO GIVE A COPOLYMER

0000049703

IA WHICH POSSESSES WATER AND/OR ETHANOL SOLUBILITY. TYPICALLY
IA THE COPOLYMERIZATIONS ARE CARRIED OUT IN BULK USING FREE RADICAL
IA CATALYSTS. SMOKING COMPOSITIONS ARE TREATED WITH THE POLYMERS
IA BY SPRAYING OR BY INCORPORATING IN RECONSTITUTED TOBACCO.
IS SAH/8-78 DISCUSSED WITH INVENTORS; 3-79 AWAITING COMPLETION OF
IS EXAMPLE WORK AND SMOKING DATA

**829 IT ON-LINE QUANTITATION OF PLASTICIZER IN FILTER RODS/4-24-78

II D. WATSON AND W. HARVEY

IC INSTRUMENT

ID R&D/ANALYTICAL DIVISION/OSDENE/WILL

IA THE DEVICE WOULD PROVIDE FOR MEASUREMENT OF ABSORBED ENERGY AT
IA SELECTED MICROWAVE FREQUENCIES AS THIS ENERGY IS DIRECTED THROUGH
IA THE FILTER RODS ON A MAKER. THESE MEASUREMENTS, ONCE CALIBRATED
IA AGAINST PLASTICIZER CONTENT OF THE FILTER MATERIAL, WOULD BE
IA USED THROUGH A FEED-BACK CIRCUIT TO CONTROL THE AMOUNT OF
IA PLASTICIZER ADDED.
IS GMS/CLOSE PM PRIOR ART; AWAITING FURTHER DEVELOPMENT

**849 IT POLYMERS FOR IMPROVING FLAVOR AND AROMA OF SMOKE/9-29-78

II H. GRUBBS, T. VAN AUKEN, AND W. JOHNSON, JR.

IC FLAVOR + POLYMER

ID R&D/CHEMICAL RESEARCH DIVISION/OSDENE/JOHNSON

IA POLYMERS OF UNSATURATED ALIPHATIC, AROMATIC CARBONATES CAN BE
IA PREPARED IN WAYS SIMILAR TO THE PREPARATIONS OF UNSATURATED
IA ALIPHATIC, ALIPHATIC CARBONATES AS DISCLOSED IN PM 687. THESE
IA POLYMERS, WHEN ADDED TO CIGARETTE FILLER, ON SMOKING LIBERATE
IA PHENOLICS TO THE SMOKE-STREAM, WHICH IMPROVE THE FLAVOR AND AROMA
IA OF THE SMOKE.

IS SAH/11-6-78 EXAMPLES BEING PREPARED; SYNTHETIC PROCESS UNDER
IS DEVELOPMENT

**850 IT POLYMERS OF NICOTINE AND NICOTINE ANALOGUES/9-29-78

II W. JOHNSON, JR.

IC FLAVOR + POLYMER

ID R&D/CHEMICAL RESEARCH DIVISION/OSDENE/JOHNSON

IA POLYMERS OF NICOTINE ANALOGUES AND OF NICOTINE ITSELF, WHICH
IA POSSESS CARBONATE OR ESTER LINKAGES, ARE TO BE PREPARED FROM
IA SUITABLE SUBSTITUTED NICOTINES VIA CONDENSATION REACTIONS. THE

0000049704

1A POLYMERS WOULD CONSIST OF NICOTINE MOIETIES, MOIETIES OF SUB-
1A STITUTED NICOTINES JOINED BY ESTER LINKAGES OR OF NICOTINIC
1A ESTERS THAT HAVE BEEN CONDENSED WITH APPROPRIATE DIOLS, WHICH MAY
1A OR MAY NOT BE NICOTINIC IN CHARACTER BUT WHICH IN COMBUSTION
1A AND/OR PYROLYSIS WILL YIELD NICOTINE AND PRODUCTS THAT DO NOT
1A ADVERSELY AFFECT CIGARETTE SMOKE.
1S SAH/11-6-78 SEARCH DONE--TO INVENTOR FOR REVIEW, AWAITING MORE
1S DEFINITIVE INFORMATION AND EXAMPLES

**851 1T SOLANESOL ANALOGUES AND ESTERS THEREOF FOR APPLICATION TO
1T CIGARETTE FILLER/9-29-78
1I W. JOHNSON, JR., H. GRUBBS, AND G. CHAN
1C FLAVOR
1D R&D/CHEMICAL RESEARCH DIVISION/OSDENE/JOHNSON
1A SOLANESOL ANALOGUES AND ESTERS THEREOF ARE TO BE APPLIED TO
1A CIGARETTE FILLER AND SMOKE. IMPROVED SUBJECTIVE RESPONSE SHOULD
1A RESULT, THE EFFICACY SHOULD OPTIMIZE IN THOSE CIGARETTES WHOSE
1A TAR DELIVERIES ARE LOW, I.E., BELOW 9-10 MG WHEN SMOKE BY
1A STANDARD MACHINE METHODS.
1S SAH/3-79 METHODS FOR PREPARING COMPOUNDS BEING DEVELOPED

**873 1T MICROPROCESSOR CONTROLLED AUTOMATED GAS INJECTION SYSTEM FOR THE
1T ANALYSIS OF GAS PHASE CIGARETTE SMOKE USING GLASS CAPILLARY
1T COLUMNS/2-6-79
1I M. PARRISH, D. DOUGLAS, C. HIGGINS, D. WATSON
1C INSTRUMENT
1D R&D/ANALYTICAL DIVISION/OSDENE/WILL
1S AIP/NOT ASSIGNED

**874 1T CO REDUCTION BY CIGARETTE R&D DESIGN/2-9-79
1I R. JENKINS
1D R&D/CHEMICAL RESEARCH DIVISION/OSDENE/JOHNSON
1S SAH/RELATED TO 622

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Osdene - Applications

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**828 :T USE OF ALKYLPIRAZINE-CARBONYL ADDUCTS AS FLAVORANTS ON TOBACCO
FILED :T 4-20-78

:I Y. HOUMINER AND E. SANDERS

:C FLAVOR

:D R&D/CHEMICAL RESEARCH DIVISION/OSDENE/JOHNSON

:A REACTION OF ALKYLPIRAZINES AND ALKYLPIRIDINE WITH A CARBONYL

:A COMPOUND IN THE PRESENCE OF A STRONG BASE GIVES RISE TO

:A CONDENSATION PRODUCTS. ADDITION OF SUCH COMPOUNDS TO TOBACCO

:A RESULTS IN IMPROVEMENT IN BOTH MAINSTREAM AND SIDESTREAM

:A SMOKE.

:S D&B/SAH/1-31-79 FILED IN PTO

**837 :T FRACTIONATION OF STANDARD PUFF OF SMOKE FROM A CIGARETTE/5-30-78

FILED :I R. NEWMAN, W. JONES, AND R. JENKINS, JR.

:C MECHANICAL

:D R&D/CHEMICAL RESEARCH DIVISION/OSDENE/JOHNSON

:A SYSTEM IS DESIGNED TO SPREAD THE TPM AROUND THE EDGE OF A

:A CAMBRIDGE PAD. THE PURPOSE FOR SUCH A METHOD OF COLLECTION IS

:A THAT VARIOUS PORTIONS OF A 2-SECOND PUFF CAN BE SEPARATED,

:A ESPECIALLY USEFUL WHEN ISOTOPES, EITHER RADIOACTIVE OR STABLE,

:A ARE INCORPORATED INTO THE FILLER. THE SEPARATION WOULD

:A ASCERTAIN AT WHICH POINT IN THE PUFF THE ADDED MATERIALS ARE

:A ELUTED.

:S GEI/3-7-79 FILED IN PTO

**868 :T USE OF 1,2-BIX(2-PYRAZYL)ETHANES AND 1-(2-PYRAZYL)-2-(PYRIDYL)

:T ETHANE AS FLAVORANTS ON TOBACCO/1-22-79

:I Y. HOUMINER AND E. SANDERS

:C FLAVOR

:D R&D/CHEMICAL RESEARCH DIVISION/OSDENE/JOHNSON

:S D&B/SAH/2-22-79 DISCLOSURE TO DEPA&LI FOR APPLICATION PREPARATION

:S 3-7 ADDITIONAL INFORMATION REQUESTED FROM INVENTORS